

- a1  
3 NO:2, said identity being calculated using FASTA wherein the two sequences are  
4 aligned so that highest order match is obtained.

- a2  
5. (Amended) An isolated[The] polypeptide which has the amino  
2 acid sequence of either SEQ ID NO:2 or SEQ ID NO:4.

- 1 23. (Amended) An isolated polypeptide comprising [GDNF alpha  
2 3 receptor characterised by] the [deduced] amino acid sequence as set forth in  
3 [of] SEQ ID NO:6[, or a fragment thereof].

a3  
REMARKS

***Brief Summary of the Present Invention***

The present invention relates to the polypeptides of SEQ ID NOS:2, 4, and 6 to polynucleotides encoding therefor, including the polynucleotides of SEQ ID NOS:1, 3, and 5 to polypeptides and polynucleotides homologous thereto, and to polynucleotides complementary to those polynucleotides. Also included in the present invention are an expression vector and host cell which produce the polypeptides of the present invention, a process for producing the polypeptides of the present invention, and a cell which produces these polypeptides.

In the Official Action of September 28, 1998, claim 24 was allowable and claims 1-5 and 23 were rejected. Claims 6-22 and 25-27 were withdrawn as being drawn to the non-elected invention.

Claims 1-3, 5, and 23 have now been amended. Thus, claims 1-5 and 23-24 are pending in this application. The amendments to the existing claims are fully supported in the specification and, thus, no new matter is added.